

### ABSTRACT OF THE DISCLOSURE

A gyrating device comprises a stator and a rotor. The stator is formed of at least one induction member and two induction coils connected with the induction member by an induction signal. The rotor is formed of at least one magnet and two inductors. The rotor is caused to engage in a reciprocating motion by an attracting force and a repelling force, which are brought about between the magnet and the induction coils at the time when the induction coils are driven by a voltage. The action force and the reaction force of the reciprocating motion of the rotor can be changed at a speed by adjusting the voltage, thereby resulting in a vibrating motion of the rotor.